

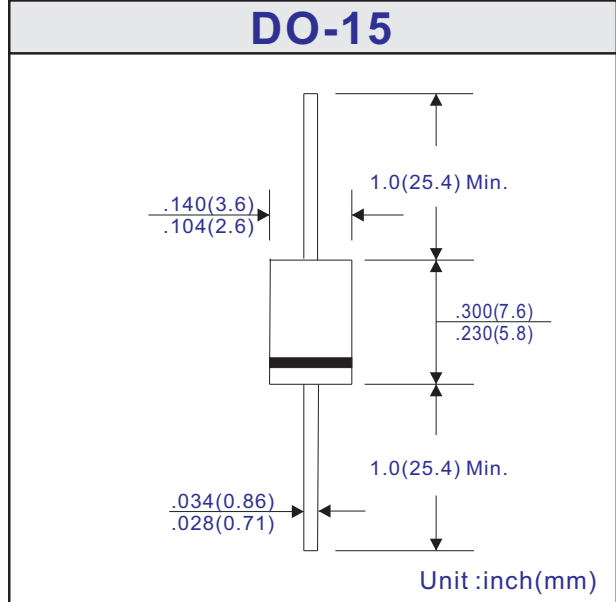


**2.0A Leaded Sintered Glass Passivated Junction Standard Rectifiers - 50V-1000V**



FEATURES
<ul style="list-style-type: none"> <li>• High temperature metallurgically bonded construction</li> <li>• Sintered glass cavity free junction</li> <li>• 2.0A operation at TA=55°C with no thermal runaway</li> <li>• High temperature soldering guaranteed, 350°C/10 sec, 0.375" (9.5mm) lead length , 5lbs (2.3kg) tension</li> <li>• Typical IR less than 0.1µA</li> <li>• Lead-free parts for green partner, meet environmental standards of MIL-S-19500</li> </ul>

MECHANICAL DATA
<ul style="list-style-type: none"> <li>• Case: JEDEC DO-15 molded plastic</li> <li>• Epoxy: UL94-V0 rated flame retardant</li> <li>• Terminals: Solderable per MIL-STD-750 Method 2026</li> <li>• Polarity: Color band denotes cathode end</li> <li>• Mounting Position: Any</li> <li>• Weight: 0.015 ounces, 0.4 grams</li> </ul>



**MAXIMUM RATING AND ELECTRICAL CHARACTERISTICS**  
 Ratings at 25°C ambient temperature unless otherwise specified

	GP-	Symbols	20A	20B	20D	20G	20J	20K	20M	Units
Maximum Recurrent Peak Reverse Voltage		VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage		VRMS	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage		VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current TA=55°C, See Figure 1		I(AV)	2.0							Amps
Peak Forward Surge Current 8.3mS single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	65.0							Amps
Maximum Instantaneous Forward Voltage at 2.0A		VF	1.1							Volts
Maximum full load reverse current, full cycle (Note 1)		IR(AV)	100.0							µA
Maximum DC Reverse Current at Rated DC Blocking Voltage	TA= 25°C TA=150°C	IR	5.0 200.0							µA
Typical Junction Capacitance (Note 2)		CJ	40.0							pF
Typical Reverse Recovery Time (Note 3)		TRR	2.5							µs
Typical Thermal Resistance (Note 4)		RθJA RθJL	25.0 10.0							°C/W
Operating Junction & Storage Temperature Range		TJ, TSTG	-65 ~ +175							°C

Note 1. Average current, 0.375" (9.5mm) lead length at TA=55°C  
 2. Measured at 1.0MHz and applied reverse voltage of 4.0 Volts  
 3. Reverse recovery test condition: IF=0.5A, IR=1.0A, IRR=0.25A  
 4. Thermal resistance from junction to ambient & junction to lead at 0.375" (9.5mm) lead length P.C.B. mounted

